

# VPCEB Series

## SERVICE MANUAL

Ver.6-2010J

Revision History

[Model List](#)



- Design and specifications are subject to change without notice.


**PERSONAL COMPUTER**

**SONY®**

Information in this document is subject to change without notice.

Sony, VAIO and CLIE are trademarks or registered trademarks of Sony. Microsoft, Windows, Windows Media, Outlook, Bookshelf and other Microsoft products are trademarks or registered trademarks of Microsoft Corporation in the United States and other countries. The word Bluetooth and the Bluetooth logo are trademarks of Bluetooth SIG, Inc. AMD, the AMD logo, other AMD product names and combinations thereof are trademarks of Advanced Micro Devices, Inc. Intel Inside logo, Pentium, Celeron and Core are trademarks or registered trademarks of Intel Corporation. Transmeta, the Transmeta logo, Crusoe Processor, the Crusoe logo and combinations thereof are trademarks of Transmeta Corporation in the USA and other countries. Graffiti, HotSync, PalmModem, and Palm OS are registered trademarks, and the Hotsync logo and Palm are trademarks of Palm, Inc. or its subsidiaries. (M) and Motrola are trademarks of Motorola, Inc. Other Motorola products and services with (R) mark like Dragomball are the trademarks of Motorola, Inc.

All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners. In this manual, the (TM) or (R) mark are not specified.

The components identified by mark  contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mis-treated. Do not disassemble, heat above 60°C (140°F) or incinerate. Dispose of used battery promptly. Keep away from children.


- CAUTION: Changing the back up battery.
- Overcharging, short circuiting, reverse charging, mutilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
  - If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

## Service and Inspection Precautions

### 1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

### 2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the  mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

### 3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

### 4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.


### 5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

### 6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**  
**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

## Model List 1

Area	Model	Lineup
Japanese	Japanese	VPCEB17FJ/B VPCEB17FJ/L VPCEB17FJ/P VPCEB17FJ/W VPCEB18FJ/B VPCEB18FJ/L VPCEB18FJ/P VPCEB18FJ/W VPCEB1AFJ* VPCEB1AGJ* VPCEB1AHJ* VPCEB1AVJ* VPCEB27FJ/WI VPCEB28FJ/B VPCEB28FJ/L VPCEB28FJ/P VPCEB28FJ/W VPCEB29FJ/B VPCEB29FJ/L VPCEB29FJ/P VPCEB29FJ/W VPCEB2AFJ* VPCEB2AGJ* VPCEB2AHJ* VPCEB2AVJ*
		VPCEB11FM/BI VPCEB11FM/T VPCEB11FM/WI VPCEB11FX/BI VPCEB11FX/T VPCEB11FX/WI VPCEB11GX/BI VPCEB11GX/T VPCEB11GX/WI VPCEB12FX/BI VPCEB12FX/T VPCEB12FX/WI VPCEB13FX/BI VPCEB14FX/BI VPCEB14FX/T VPCEB14FX/WI VPCEB15FM/BI VPCEB15FM/T VPCEB15FM/WI VPCEB15FX/BI VPCEB15FX/T VPCEB15FX/WI VPCEB16FX/B

Area	Model	Lineup
American	US Canadian	VPCEB16FX/G VPCEB16FX/L VPCEB16FX/P VPCEB16FX/W VPCEB17FX/B VPCEB17FX/G VPCEB17FX/L VPCEB17FX/P VPCEB17FX/W VPCEB19* VPCEB190S* VPCEB1SFX/BI VPCEB21FX/BI VPCEB21FX/T VPCEB21FX/WI VPCEB22FX/BI VPCEB22FX/T VPCEB22FX/WI VPCEB23FM/BI VPCEB23FM/T VPCEB23FM/WI VPCEB23FX/BI VPCEB23FX/T VPCEB23FX/WI VPCEB24FX/BI VPCEB24FX/T VPCEB24FX/WI VPCEB25FX/BI VPCEB25FX/PI VPCEB25FX/T VPCEB25FX/WI VPCEB26FX/BI VPCEB26FX/PI VPCEB26FX/T VPCEB26FX/WI VPCEB26GM/BI VPCEB26GM/T VPCEB26GM/WI VPCEB27FX/B VPCEB27FX/G VPCEB27FX/L VPCEB27FX/P VPCEB27FX/W VPCEB29* VPCEB290S*

Area	Model	Lineup
American	Latin Quebec	VPCEB13EB/WI VPCEB13EL/WI VPCEB15EL/BI VPCEB15FB/BI VPCEB17FB/B VPCEB17FL/WI VPCEB190L* VPCEB19FL/BI VPCEB25FL/BI VPCEB290L* VPCEB11FD/BI VPCEB11FD/T VPCEB11FD/WI VPCEB11GD/BI VPCEB12FD/BI VPCEB12FD/T VPCEB12FD/WI VPCEB14FD/BI VPCEB16FD/B VPCEB16FD/G VPCEB16FD/L VPCEB16FD/P VPCEB16FD/W VPCEB18FD/BI VPCEB18FD/WI VPCEB21FD/BQ VPCEB21FD/WI VPCEB24FD/B VPCEB24FD/BQ VPCEB24FD/G VPCEB24FD/L VPCEB24FD/P VPCEB24FD/PI VPCEB24FD/T VPCEB24FD/W VPCEB24FD/WI VPCEB27FD/B VPCEB27FD/G VPCEB27FD/L VPCEB27FD/P VPCEB27FD/W VPCEB2AFD/BQ VPCEB2AFD/WI

\*: CTO Model

## Model List 2

Area	Model	Lineup
European	AEP/UK	VPCEB1C5E*
		VPCEB1E0E/T
		VPCEB1E0E/WI
		VPCEB1E1E/WI
		VPCEB1E1R/BJ
		VPCEB1E1R/T
		VPCEB1E1R/WI
		VPCEB1E8E/WI
		VPCEB1E9E/BJ
		VPCEB1E9J/BJ
		VPCEB1E9R/BJ
		VPCEB1E9R/WI
		VPCEB1J1E/WI
		VPCEB1J8E/WI
		VPCEB1M0E/WI
		VPCEB1M1E/BJ
		VPCEB1M1E/T
		VPCEB1M1E/WI
		VPCEB1M1R/BJ
		VPCEB1M1R/WI
		VPCEB1S0E/BJ
		VPCEB1S0E/WI
		VPCEB1S1E/BJ
		VPCEB1S1E/WI
		VPCEB1S1R/BJ
		VPCEB1S1R/T
		VPCEB1S1R/WI
		VPCEB1S8E/BJ
		VPCEB1S8E/WI
		VPCEB1Z0E/B
		VPCEB1Z1E/B
		VPCEB1Z1R/B
		VPCEB2C5E*
		VPCEB2E1E/WI
		VPCEB2E1R/BQ
		VPCEB2E1R/WI
		VPCEB2E9E/BQ
		VPCEB2E9R/BQ
		VPCEB2E9R/WI
		VPCEB2L9E/BQ
		VPCEB2M0E/PI
		VPCEB2M0E/T
		VPCEB2M0E/WI
		VPCEB2M1E/BQ
		VPCEB2M1E/PI
		VPCEB2M1E/WI
		VPCEB2M1R/BQ
		VPCEB2M1R/PI
		VPCEB2M1R/WI
		VPCEB2S1E/BQ
		VPCEB2S1E/PI
		VPCEB2S1E/WI
		VPCEB2S1R/BQ
		VPCEB2S1R/PI
		VPCEB2S1R/WI
		VPCEB2Z0E/BQ
		VPCEB2Z1E/BQ
		VPCEB2Z1R/B

Area	Model	Lineup
Asian/Oceania/ South Africa	International	VPCEB12EG/BI
		VPCEB12EG/WI
		VPCEB12EN/BI
		VPCEB12EN/WI
		VPCEB13FA/BI
		VPCEB13FA/WI
		VPCEB13FG/BI
		VPCEB13FG/WI
		VPCEB14EN/BI
		VPCEB14EN/WI
		VPCEB15FA/B
		VPCEB15FA/W
		VPCEB15FG/B
		VPCEB15FG/P
		VPCEB15FG/W
		VPCEB16FG/B
		VPCEB16FG/G
		VPCEB16FG/L
		VPCEB16FG/P
		VPCEB16FG/W
		VPCEB17FA/B
		VPCEB17FA/W
		VPCEB17FG/B
		VPCEB17FG/W
		VPCEB1AGG/BI
		VPCEB21EG/BI
		VPCEB21EN/BI
		VPCEB21FG/BI
		VPCEB21FG/PI
		VPCEB22EG/BI
		VPCEB22EG/WI
		VPCEB22EN/BI
		VPCEB22EN/WI
		VPCEB23FG/BI
		VPCEB23FG/WI
		VPCEB24EN/BI
		VPCEB24EN/WI
		VPCEB25FG/B
		VPCEB25FG/G
		VPCEB25FG/L
		VPCEB25FG/P
		VPCEB25FG/W
		VPCEB26FA/B
		VPCEB26FA/W
		VPCEB26FF/B
		VPCEB26FG/B
		VPCEB26FG/G
		VPCEB26FG/L
		VPCEB26FG/P
		VPCEB26FG/W
		VPCEB27FA/B
		VPCEB27FA/W
		VPCEB27FG/B
		VPCEB27FG/W

Area	Model	Lineup
Asian/Oceania South Africa	Thai	VPCEB15FH/B VPCEB15FH/P VPCEB15FH/W VPCEB25FH/G VPCEB25FH/L VPCEB25FH/P VPCEB25FH/W
	Korean	VPCEB15FK/L VPCEB15FK/P VPCEB15FK/W VPCEB17FK/W VPCEB25FK/L VPCEB25FK/P VPCEB25FK/W VPCEB27FK/W
	Taiwan	VPCEB15FW/B VPCEB15FW/G VPCEB15FW/L VPCEB15FW/P VPCEB15FW/W VPCEB17FW/B VPCEB17FW/W VPCEB25FW/B VPCEB25FW/G VPCEB25FW/L VPCEB25FW/P VPCEB25FW/W VPCEB27FW/B VPCEB27FW/W
	Chinese	VPCEB100C* VPCEB18EC/T VPCEB18EC/WI VPCEB200C* VPCEB25EC/T VPCEB25EC/WI VPCEB27EC/PI VPCEB27EC/T VPCEB27EC/WI

\*: CTO Model

# TABLE OF CONTENTS

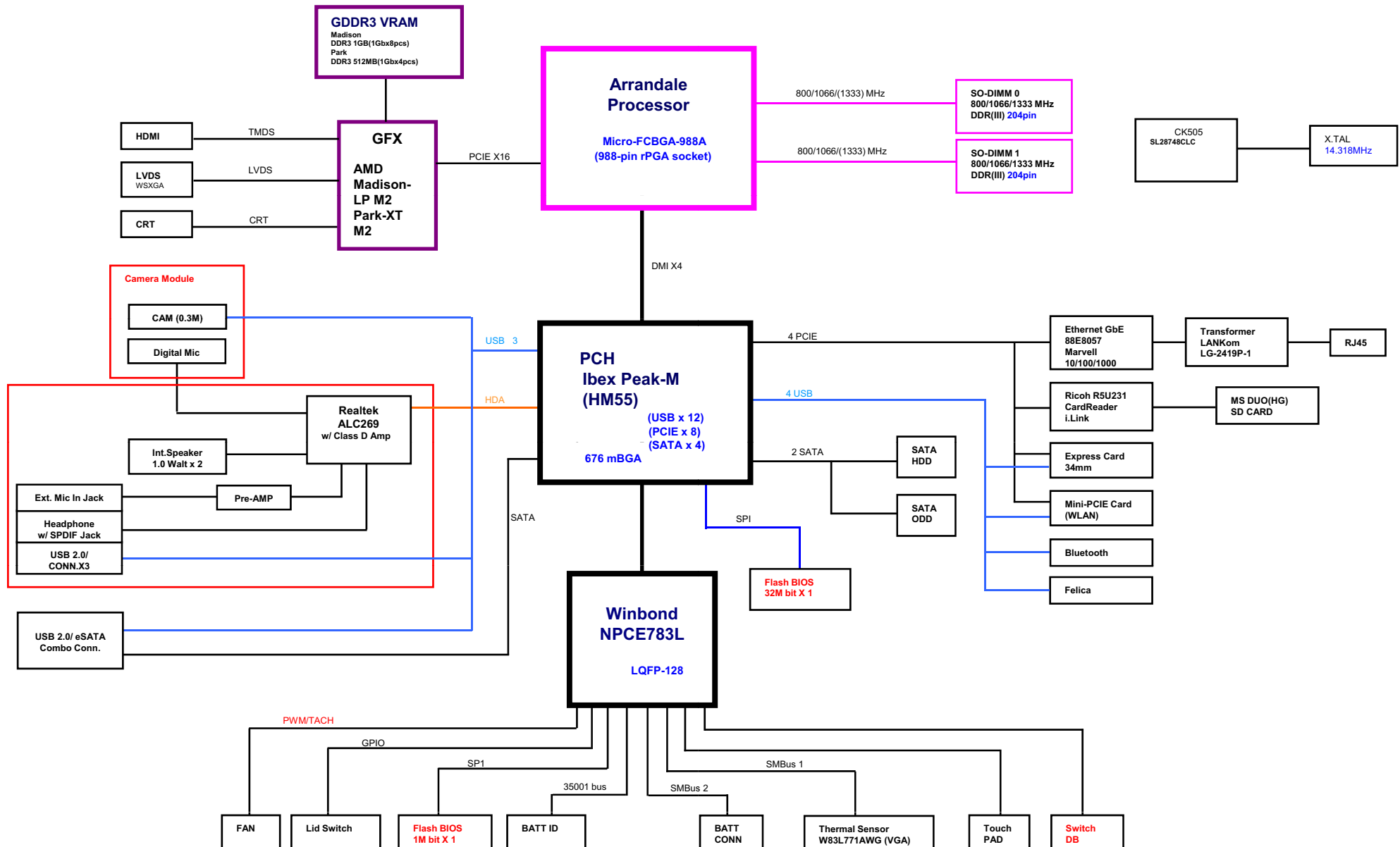
Section	Title	Page
<b>CHAPTER1. BLOCK DIAGRAM</b>		
1-1.	VPCEB Series (for External Graphic Models).....	1-1
1-2.	VPCEB Series (for Internal Graphic Models).....	1-2
	(to 1-2)	
<b>CHAPTER2. FRAME HARNESS DIAGRAM</b>		
2-1.	VPCEB Series (TOP).....	2-1
2-2.	VPCEB Series (BOTTOM).....	2-2
	(to 2-2)	
<b>CHAPTER3. EXPLODED VIEWS AND PARTS LIST</b>		
Note.....		3-2
Screws		
S-1.	Screws.....	3-3
Palmrest		
P-1.	Palmrest.....	3-4
Main Board		
M-1.	Main Board (for External Graphic Models).....	3-5
M-2.	Main Board (for Internal Graphic Models).....	3-6
Bottom		
B-1.	Bottom.....	3-7
ODD		
D-1.	ODD.....	3-8
HDD		
H-1.	HDD.....	3-9
LCD		
L-1.	LCD.....	3-10
Accessories		
A-1.	Accessories.....	3-11
DIP Switch.....		3-12
	(to 3-12)	

Section	Title	Page
<b>CHAPTER4.OTHERS</b>		
4-1.	Replacing the CPU .....	4-1
4-2.	Holding Method of Motherboard.....	4-2
	(to 4-2)	

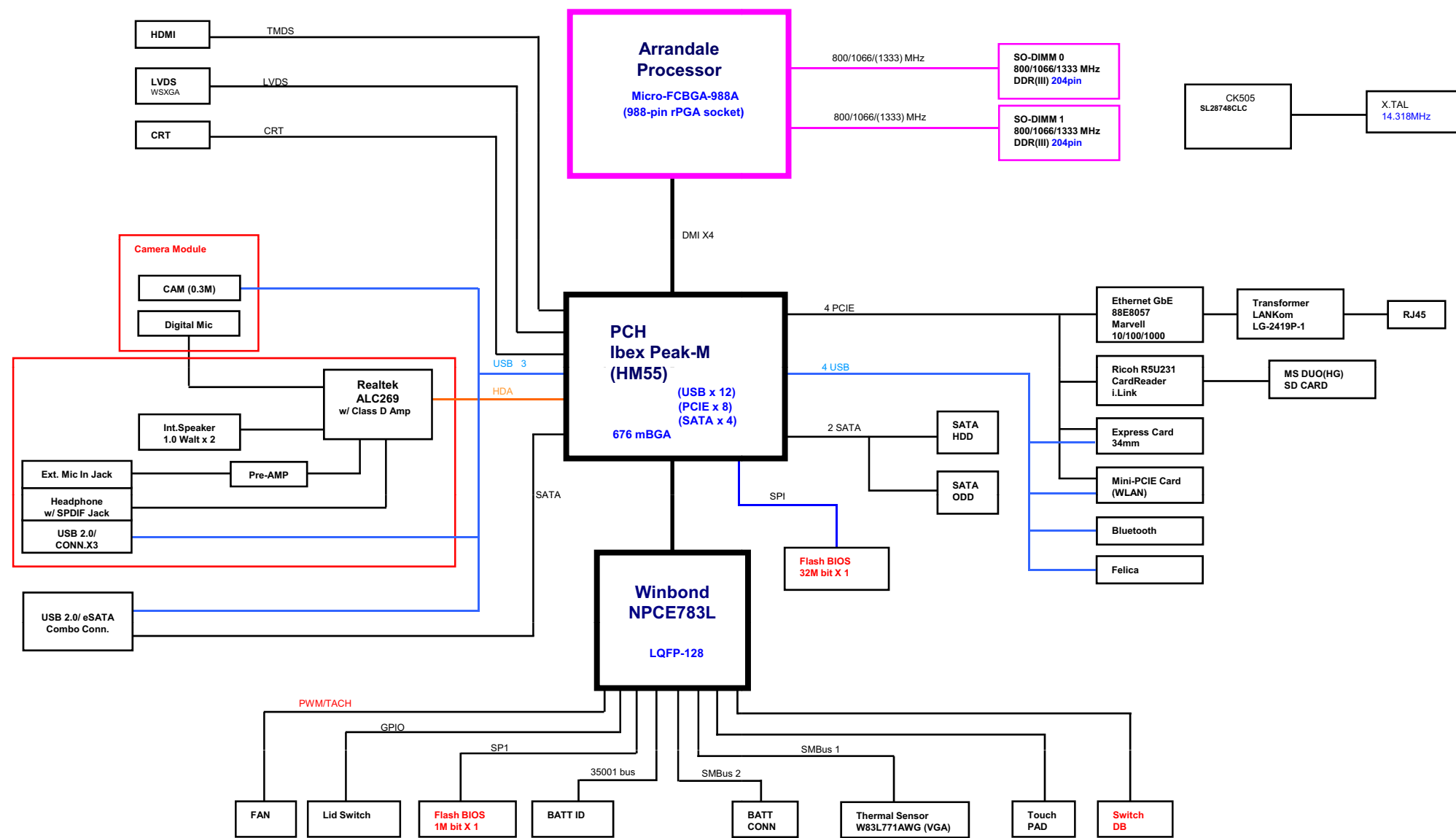
- SPECIFICATIONS are listed on page 3-1 of “CHAPTER3. EXPLODED VIEWS AND PARTS LIST.
- History of the changes is shown as the “Revision History” at the end of this data.

# CHAPTER1. BLOCK DIAGRAM

## 1-1.VPCEB Series (for External Graphic Models)



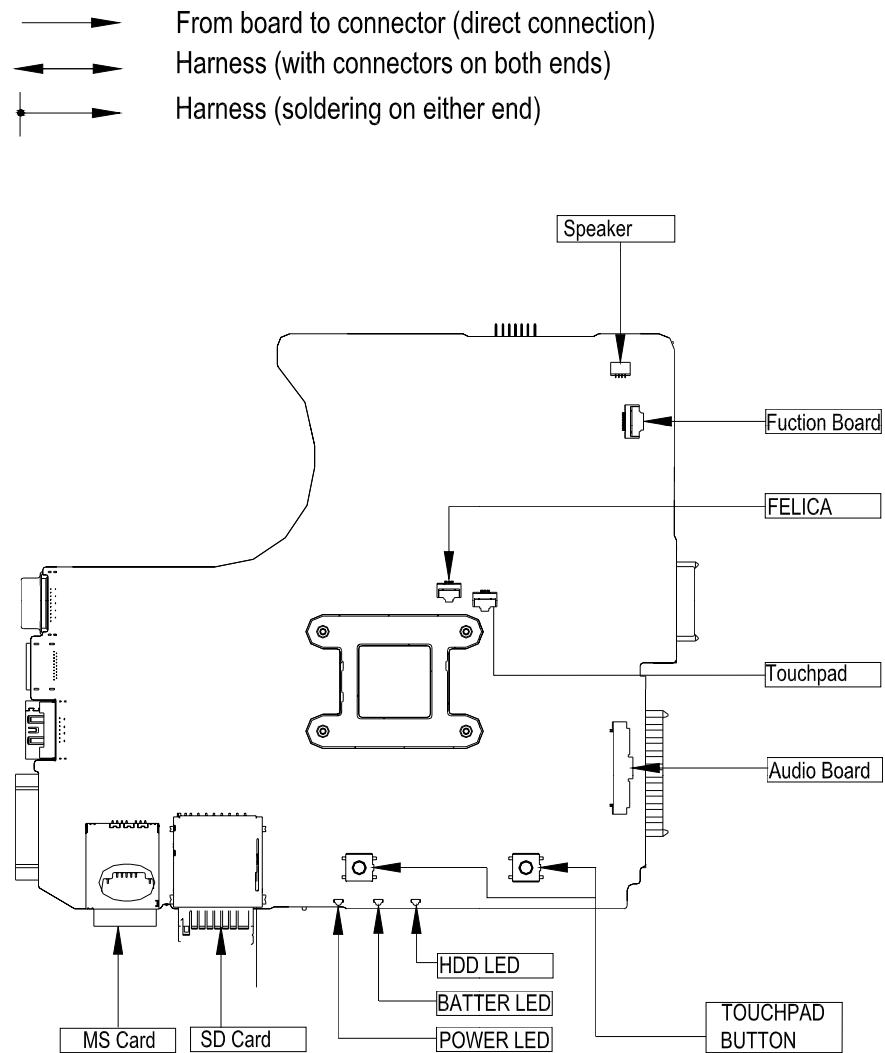
1-2.VPCEB Series (for Internal Graphic Models)



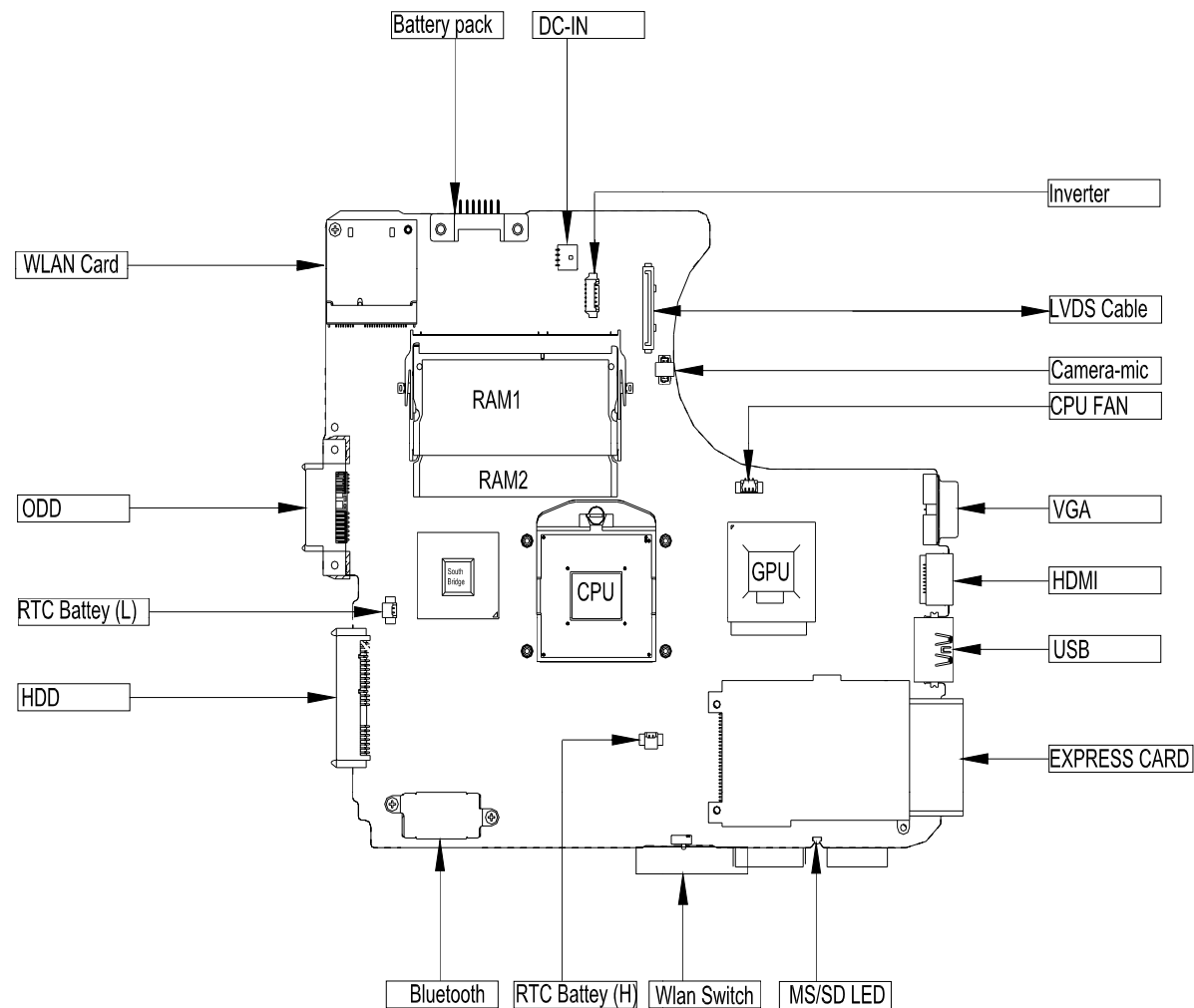
# CHAPTER2.

## FRAME HARNESS DIAGRAM

### 2-1.VPCEB Series (TOP)



2-2.VPCEB Series (BOTTOM)



# CHAPTER3.

## EXPLODED VIEWS AND PARTS LIST

- The parts list is compiled by blocks of a Palmrest and bottom etc.
- The sections of the parts list are different depending on the model.
- Please refer to list of contents shown.

Section	Page
Note	3-2
Screws	
S-1.Screws	3-3
Palmrest	
P-1.Palmrest	3-4
Main Board	
M-1.Main Board (for External Graphic Models)	3-5
M-2.Main Board (for Internal Graphic Models)	3-6
BOTTOM	
B-1.Bottom	3-7
ODD	
D-1.ODD	3-8
HDD	
H-1.HDD	3-9
LCD	
L-1.LCD	3-10
ACCESSORIES	
A-1.Accessories	3-11
DIP Switch	3-12

- Double-click on the paper clip mark in the Spec column to open the specifications list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

	Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
JP	EB17FJ/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB17FJ/L	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB17FJ/P	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB17FJ/W	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB18FJ/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB18FJ/L	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB18FJ/P	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB18FJ/W	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB1AFJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB1AGJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB1AHJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB1AVJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB27FJ/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB28FJ/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB28FJ/L	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB28FJ/P	P-1	M-2	B-1	D-1	H-1	L-1	A-1

	Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
JP	EB28FJ/W	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB29FJ/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB29FJ/L	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB29FJ/P	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB29FJ/W	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB2AFJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB2AGJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB2AHJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB2AVJ*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB11FD/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
AM	EB11FD/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FD/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FM/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FM/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FM/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11GD/BI	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB11GX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11GX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB11GX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB12FD/BI	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB12FD/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB12FD/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB12FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB12FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB12FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB13EB/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB13EL/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB13FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB14FD/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB14FX/BI	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB14FX/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB14FX/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB15FM/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FM/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FM/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15EL/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FB/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB15FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB16FD/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FD/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FD/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FD/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FD/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FX/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FX/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FX/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FX/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB16FX/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB17FB/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB17FL/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB17FX/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB17FX/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB17FX/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB17FX/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB17FX/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB18FD/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB18FD/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB19*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1
	EB190L*	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB190S*	P-1	M-1	B-1	D-1	H-1	L-1	A-1
	EB19FL/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1
	EB1SFX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1

\*: CTO Model

[Sony Confidential]

VPCEB Series (9-852-873-XX)

- Double-click on the paper clip mark in the Spec column to open the specifications list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

		Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
AM	EB21FD/BQ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FD/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FM/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FM/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FM/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/B	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/BQ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/G	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/L	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/P	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/PI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/W	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FD/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB25FL/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB25FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB25FX/PI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB25FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB25FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26FX/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26FX/PI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26FX/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26FX/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26GM/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26GM/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB26GM/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB27FD/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FD/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FD/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FD/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FD/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FX/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FX/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FX/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FX/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FX/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB29*	P-1	M-1 /M-2	B-1	D-1	H-1	L-1	A-1	
	EB290L*	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB290S*	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2AFD/BQ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2AFD/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	


		Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
EU	EB1C5E*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E0E/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E0E/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1E1R/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1E1R/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1E1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1E8E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1E9E/BJ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E9J/BJ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E9R/BJ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1E9R/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1J1E/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1J8E/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1M0E/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB1M1E/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1M1E/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1M1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1M1R/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1M1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S0E/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S0E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S1E/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S1R/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S1R/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S8E/BJ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1S8E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1Z0E/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1Z1E/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1Z1R/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2C5E*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1	
	EB2E1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2E1R/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2E1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2E9E/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2E9R/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2E9R/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2L9E/BQ	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2M0E/PI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2M0E/T	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2M0E/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB2M1E/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2M1E/PI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2M1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2M1R/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2M1R/PI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2M1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1E/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1E/PI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1E/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1R/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1R/PI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2S1R/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2Z0E/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2Z1E/BQ	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB2Z1R/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	


\*: CTO Model

[Sony Confidential]

VPCEB Series (9-852-873-XX)

- Double-click on the paper clip mark in the Spec column to open the specifications list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

		Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
AO	EB100C*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1	
	EB12EG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB12EG/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB12EN/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB12EN/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB13FA/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB13FA/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB13FG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB13FG/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB14EN/BI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB14EN/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FA/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FA/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FG/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FH/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FH/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FH/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FK/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FK/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FK/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FW/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FW/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FW/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FW/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB15FW/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB16FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB16FG/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB16FG/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB16FG/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB16FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FA/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FA/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FK/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FW/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB17FW/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB18EC/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB18EC/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB1AGG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	



		Palmrest	Main Board	Bottom	ODD	HDD	LCD	Accessories	Spec
AO	EB200C*	P-1	M-1/M-2	B-1	D-1	H-1	L-1	A-1	
	EB21EG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21EN/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB21FG/PI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22EG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22EG/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22EN/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB22EN/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FG/BI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB23FG/WI	P-1	M-2	B-1	D-1	H-1	L-1	A-1	
	EB24EN/BI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB24EN/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25EC/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25EC/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FG/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FG/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FG/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FH/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FH/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FH/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FH/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FK/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FK/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FK/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FW/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FW/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FW/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FW/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB25FW/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FA/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FAW	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FF/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FG/G	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FG/L	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FG/P	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB26FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27EC/PI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27EC/T	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27EC/WI	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FA/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FAW	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FG/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FG/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FK/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FW/B	P-1	M-1	B-1	D-1	H-1	L-1	A-1	
	EB27FW/W	P-1	M-1	B-1	D-1	H-1	L-1	A-1	


\*: CTO Model


# Note

- Parts List is attached on the upper right portion of each EXPLODED VIEW.
- Items marked “\*” are not stocked since they are seldom required for routine service.  
Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- The parts marks “\$” are the Reuse Parts.
- The parts marks with “&” indicates specific parts handling for Japan region.  
Disregard “&” marking for other than Japan region.
- Color after description in [ ] shows color variation name of the main body.
- The model that is accompanied by asterisk (\*) is the CTO model.
- When replacing the HDD of RAID setting, please exchange to the same HDD that was installed.

Basically, the parts marked “●” should be used for service.  
The parts marked “□” in the parts list are substitution parts.  
If the part marked “●” is not available, you can order the parts marked “□”,  
but it may not be stocked.

The components identified by mark  or  
dotted line with mark  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  
 sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant  
le numéro spécifié.

The components identified by mark   
contain confidential information.  
Strictly follow the instructions whenever the  
components are repaired and/or replaced.

- If there is the Remarks column in the parts list, the features of applicable models are indicated in it for the parts that are different depending on each model.  
For the abbreviations used in the remarks column, please refer to the <table 1>.




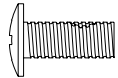
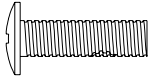

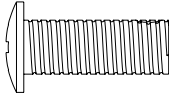
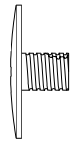
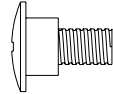
<table 1>

Full-Name	Short-Name
Bluetooth	BT
Felica	Felica
Wireless WAN	WAN
Wireless LAN	WLAN
1seg Tuner	1seg
Finger Print Sensor	FP
Security Chip	TPM
Flash Memory	F Mem
Camera	Camera

- If “No-” is described on the left side of the Short-Name, it means ‘not equipped’.  
Example: “No-BT” “No-Felica” etc.
- When several descriptions are listed, each description is separated with “, (comma)” or “or”. “Comma” means plus.  
Example.1: The parts for the model equipped with BT and Felica and WLAN →BT, Felica, WLAN  
Example.2: The parts for the model equipped with BT or Felica →BT or Felica
- If the color is in the remarks column, it indicates the color of parts itself.

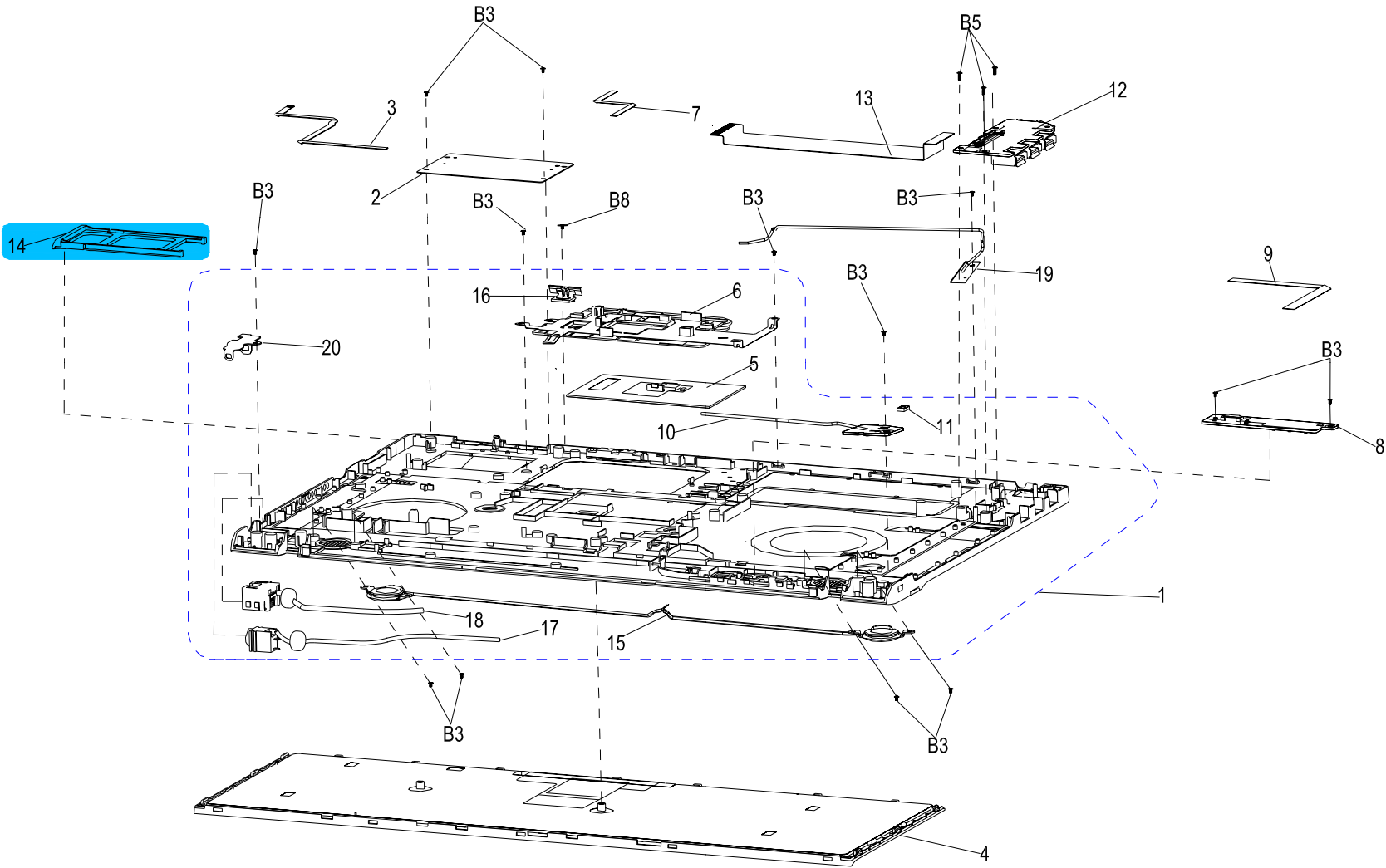
S-1. Screws

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

B1	B2	B3	B4	B5	B6	B7	B8	B9
								
M2*L2	M2*L2.5	M2*L3	M2*L5	M2*L7	M3*L3	M3*L8	I2*L2.5	M2*L4.8
Silver	Silver	Black	Silver	Black	Silver	Black	Black	Silver

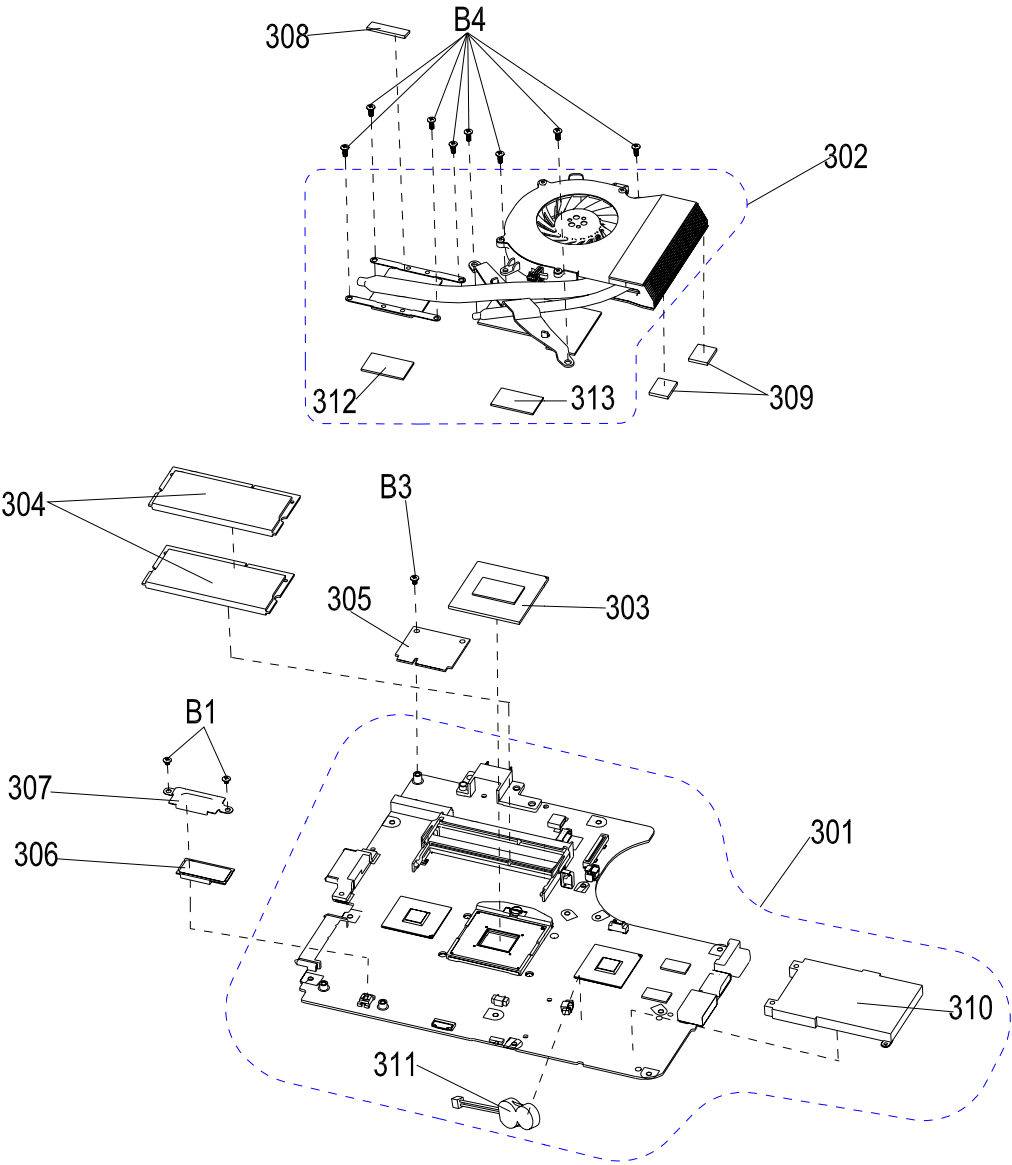
P-1. Palmrest

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.



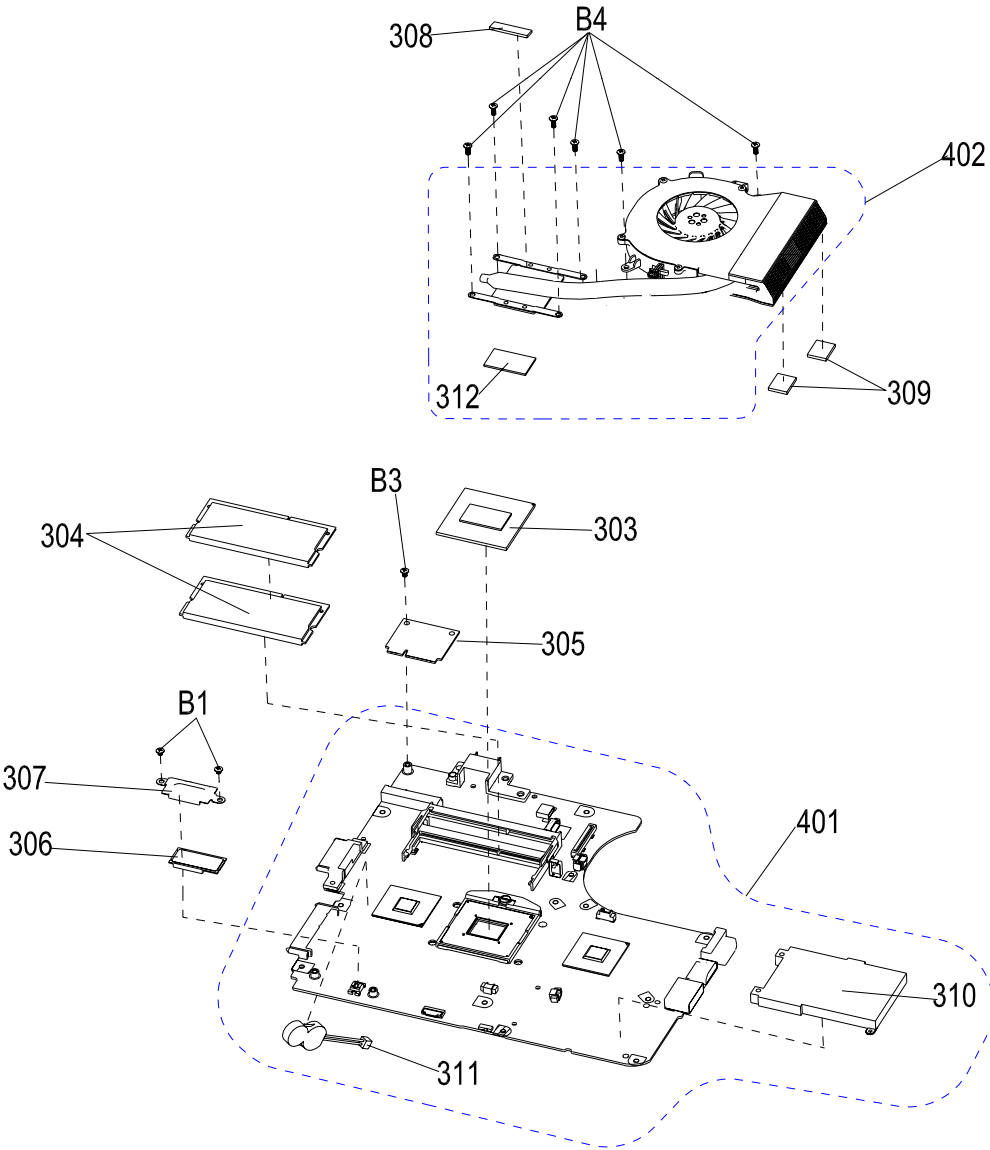
M-1. Main Board (for External Graphic Models)

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.



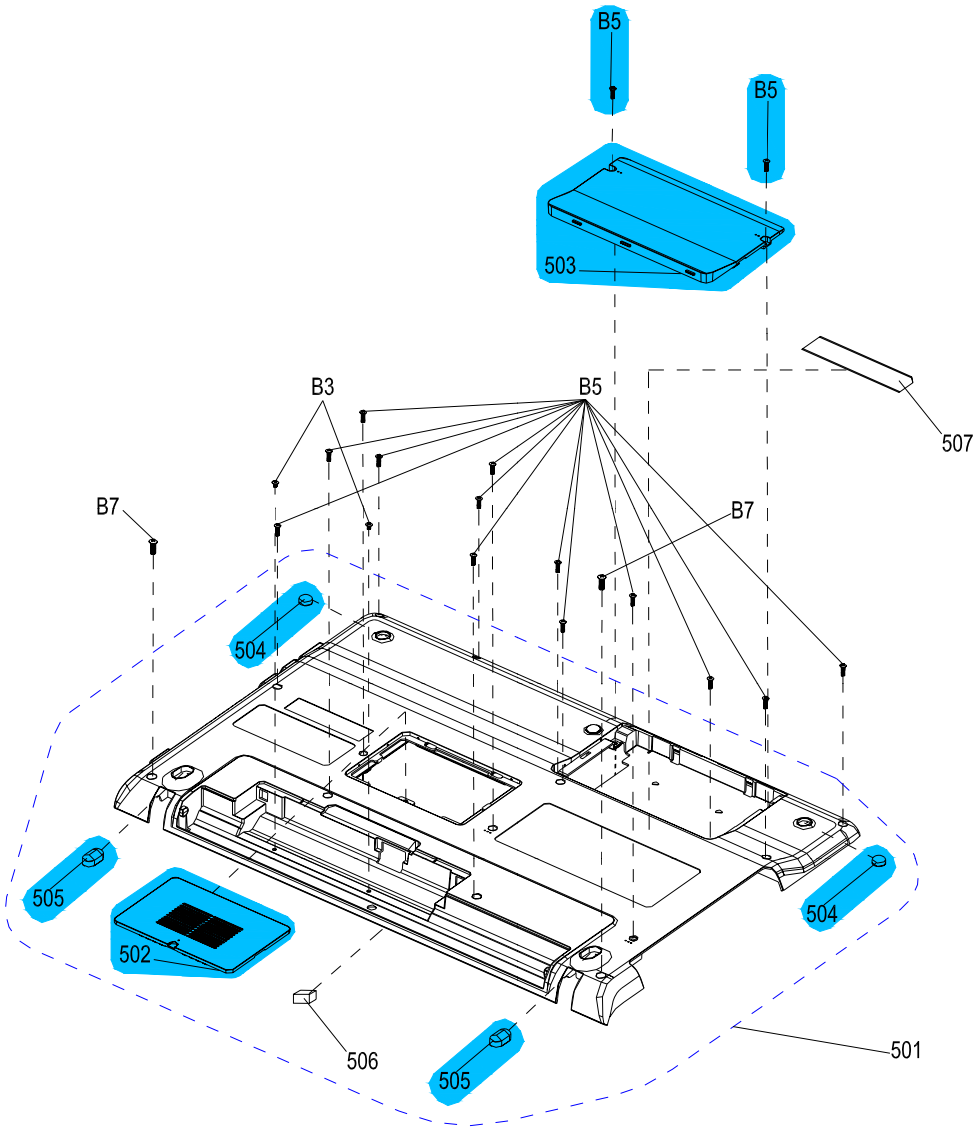
M-2. Main Board (for Internal Graphic Models)

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

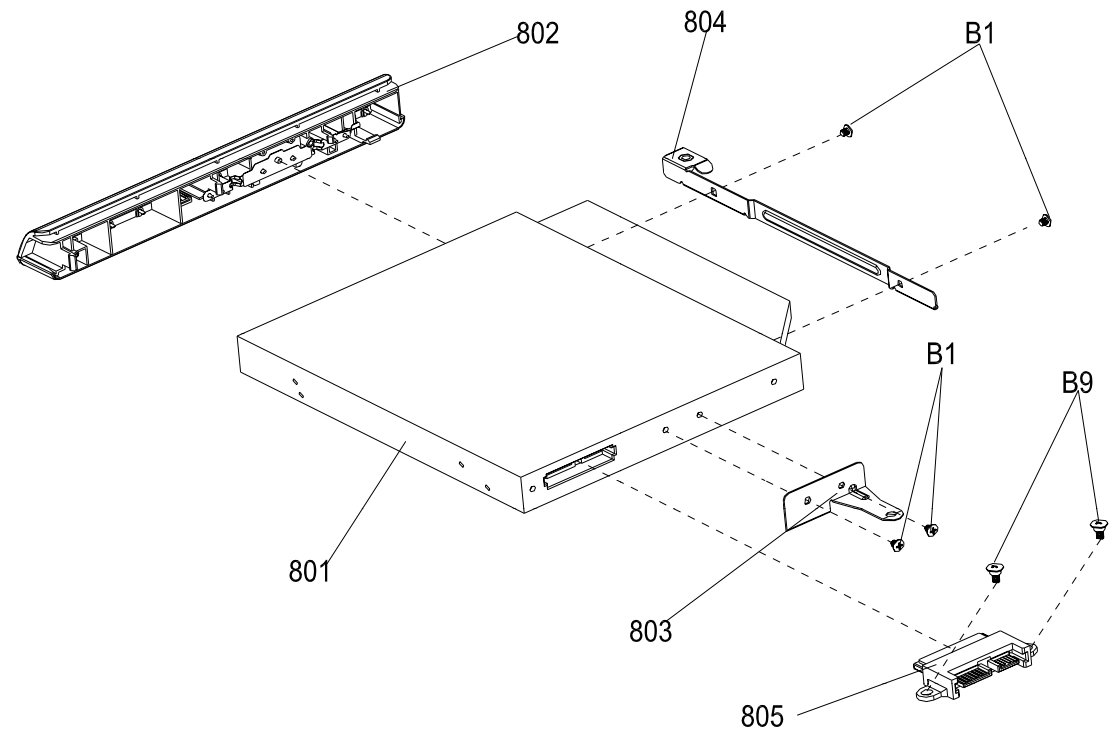


B-1. Bottom

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

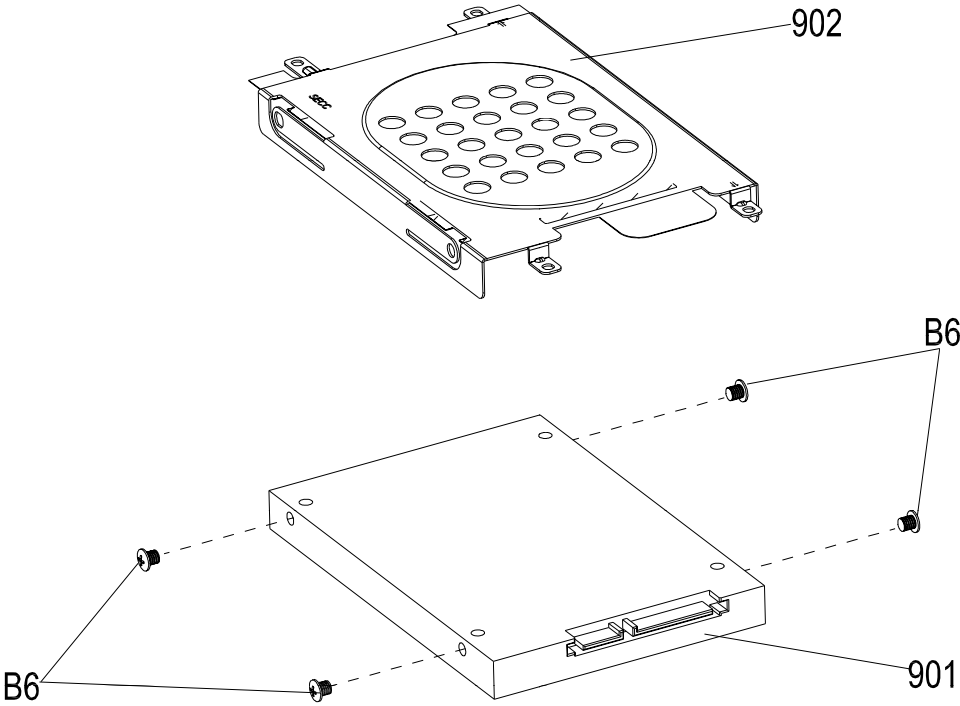


- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.



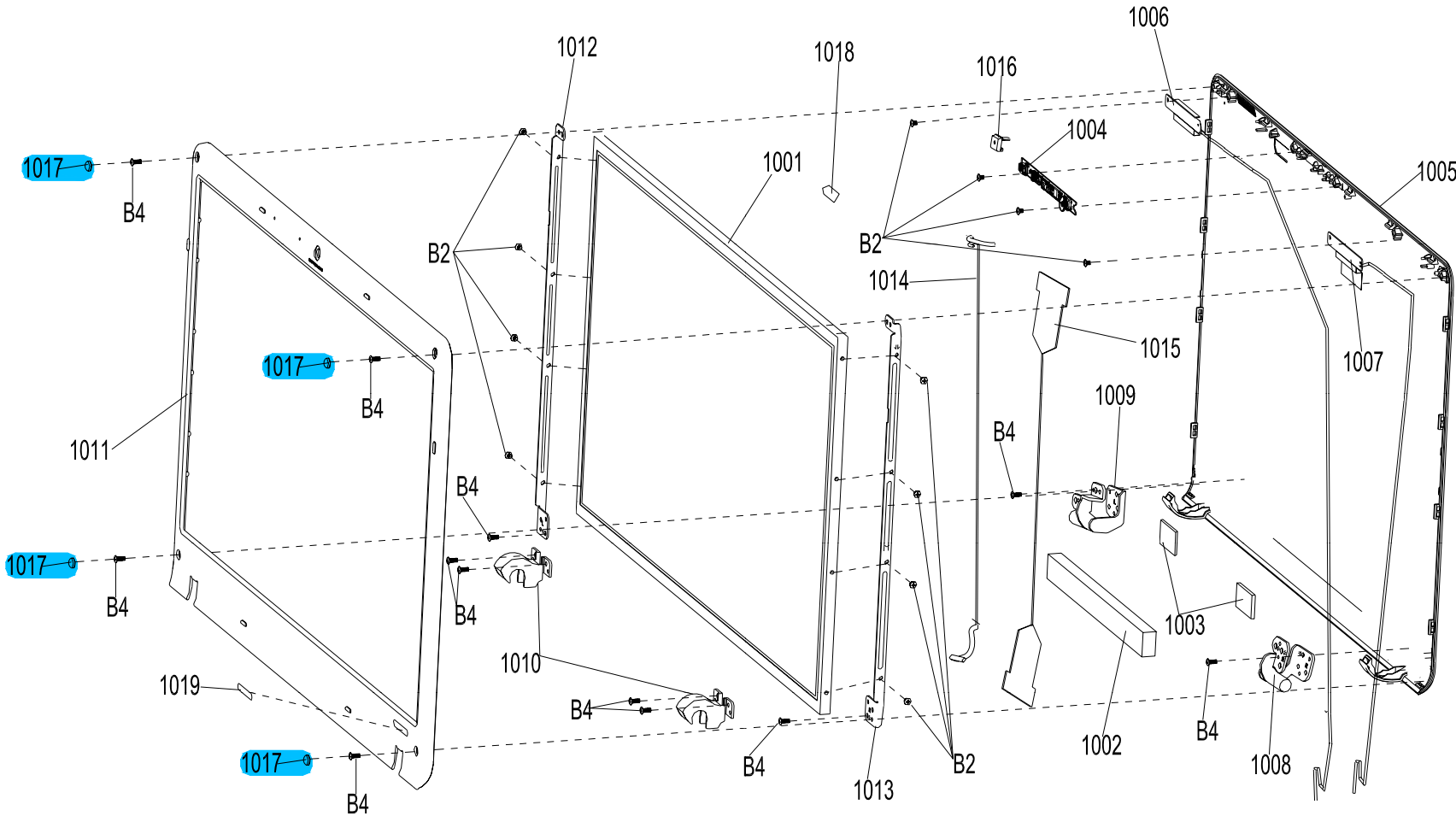
H-1. HDD

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.



L-1. LCD

- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.



## A-1. Accessories

### Parts List



- Double-click on the paper clip mark to open the parts list.
- To open the parts list, Microsoft office Excel or Excel viewer is required.

2005  
Power Cord



2006  
AC Adapter

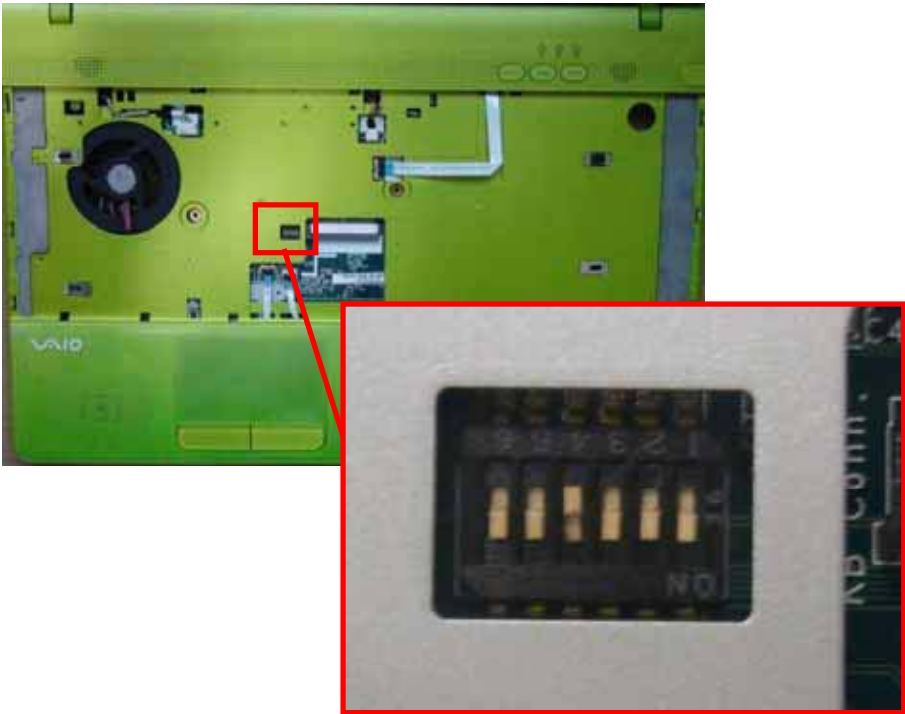


2007  
Battery Pack



DIP Switch

DIP Switch Location



Note: There are six DIP Switches. Just adjust the first four whether No.5 and No.6 is “ON” or “OFF”.

VPCEB17FJ/EB18FJ/PEB18FJ/EB1AFJ\*/EB1AGJ\*/EB1AHJ\*/EB1AVJ\*/EB27FJ/EB28FJ/EB29FJ/EB2AFJ\*/EB2AGJ\*/EB2AHJ\*/EB2AVJ\* (J)  
VPCEB11FD/EB11FX/EB11GD/EB11GX/EB12FD/EB12FX/EB13EB/EB13EL/EB13FX/EB14FD/EB14FX/EB15EL/EB15FB/EB15FX/EB16FD/EB16FX/EB17FB/EB17FL/EB18FD/EB19\*/EB190L\*/EB190S\*/EB19FL/EB1SFX/EB21FD/EB21FX/EB22FX/EB23FM/EB23FX/EB24FD/EB24FX/EB25FL/EB25FX/EB26FX/EB26GM/EB27FD/EB27FX/EB29\*/EB290L\*/EB290S\*/EB2AFD (AM)  
VPCEB1C5E\*/EB1E0E/EB1E1E/EB1E1R/EB1E8E/EB1E9E/EB1E9J/EB1E9R/EB1J1E/EB1J8E/EB1M0E/EB1M1E/EB1M1R/EB1S0E/EB1S1E/EB1S1R/EB1S8E/EB2E1E/EB2E1R/EB2E9E/EB2E9R/EB2L9E/EB2M0E/EB2M1E/EB2M1R/EB2S1E/EB2S1R/EB2Z0E/EB2Z1E (EU)  
VPCEB100C\*/12EG/EB12EN/EB13FA/EB13FG/EB14EN/EB15FA/EB15FG/EB15FH/EB15FK/EB15FW/EB18EC/EB1AGG/EB200C\*/EB21EG/EB21EN/EB21FG/EB22EG/EB22EN/EB23FG/EB24EN/EB25EC/EB25FG/EB25FH/EB27EC (AO)

15.5/WXGA/HDAR/EEBR (CMO)  
(A-1753-765-A)

DIP switch setting is different by the type of LCD.  
For setting method, please refer to the table.

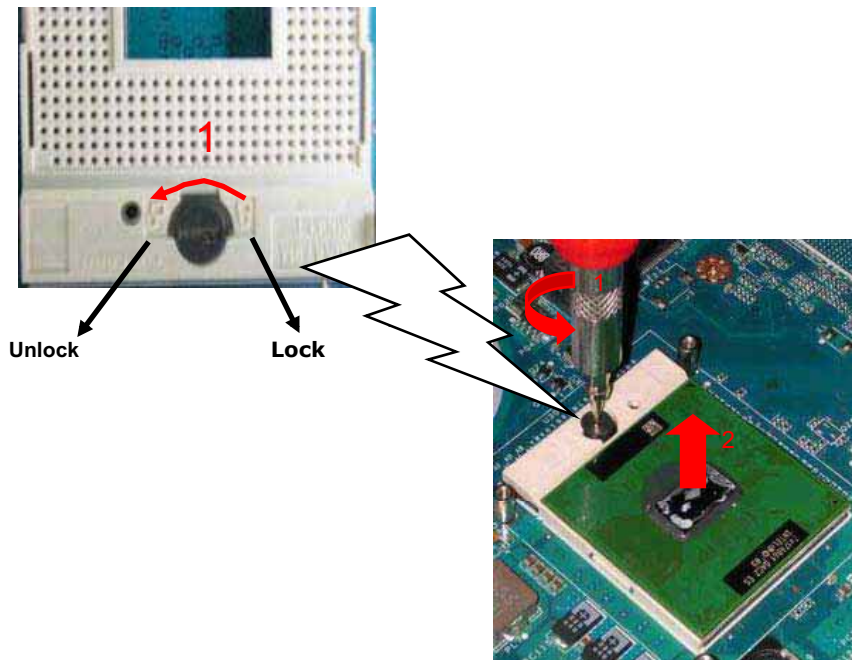
VPCEB1AFJ*/EB1AGJ*/EB1AHJ*/EB1AVJ*/EB2AFJ*/EB2AGJ*/EB2AHJ*/EB2AVJ* (J) VPCEB17FX/EB19* (AM) VPCEB1C5E*/EB1Z0E/EB1Z1E/EB1Z1R/EB2Z1R/EB2C5E* (EU) VPCEB100C*/EB16FG/EB17FA/EB17FG/EB17FK/EB17FW/EB200C*/EB26FA/EB26FF/EB26FG/EB27FA/EB27FG/EB27FK/EB27FW (AO)	
15.5/Full-HD_HDAR/EBR_BentLED (LGD) (A-1776-435-A)	
VPCEB17FJ/EB18FJ/PEB18FJ/EB1AFJ*/EB1AGJ*/EB1AHJ*/EB1AVJ*/EB27FJ/EB28FJ/EB29FJ/EB2AFJ*/EB2AGJ*/EB2AHJ*/EB2AVJ* (J) VPCEB11FD/EB11FX/EB11GD/EB11GX/EB12FD/EB12FX/EB13EB/EB13EL/EB13FX/EB14FD/EB14FX/EB15EL/EB15FB/EB15FX/EB16FD/EB16FX/EB17FB/EB17FL/EB18FD/EB19*/EB190L*/EB190S*/EB19FL/EB1SFX/EB21FD/EB21FX/EB22FX/EB23FM/EB23FX/EB24FD/EB24FX/EB25FL/EB25FX/EB26FX/EB26GM/EB27FD/EB27FX/EB29*/EB290L*/EB290S*/EB2AFD (AM) VPCEB1C5E*/EB1E0E/EB1E1E/EB1E1R/EB1E8E/EB1E9E/EB1E9J/EB1E9R/EB1J1E/EB1J8E/EB1M0E/EB1M1E/EB1M1R/EB1S0E/EB1S1E/EB1S1R/EB1S8E/EB2E1E/EB2E1R/EB2E9E/EB2E9R/EB2L9E/EB2M0E/EB2M1E/EB2M1R/EB2S1E/EB2S1R/EB2Z0E/EB2Z1E (EU) VPCEB100C*/12EG/EB12EN/EB13FA/EB13FG/EB14EN/EB15FA/EB15FG/EB15FH/EB15FK/EB15FW/EB18EC/EB1AGG/EB200C*/EB21EG/EB21EN/EB21FG/EB22EG/EB22EN/EB23FG/EB24EN/EB25EC/EB25FG/EB25FH/EB27EC (AO)	
VPCEB17FJ/EB18FJ/PEB18FJ/EB1AFJ*/EB1AGJ*/EB1AHJ*/EB1AVJ*/EB27FJ/EB28FJ/EB29FJ/EB2AFJ*/EB2AGJ*/EB2AHJ*/EB2AVJ* (J) VPCEB11FD/EB11FX/EB11GD/EB11GX/EB12FD/EB12FX/EB13EB/EB13EL/EB13FX/EB14FD/EB14FX/EB15EL/EB15FB/EB15FX/EB16FD/EB16FX/EB17FB/EB17FL/EB18FD/EB19*/EB190L*/EB190S*/EB19FL/EB1SFX/EB21FD/EB21FX/EB22FX/EB23FM/EB23FX/EB24FD/EB24FX/EB25FL/EB25FX/EB26FX/EB26GM/EB27FD/EB27FX/EB29*/EB290L*/EB290S*/EB2AFD (AM) VPCEB1C5E*/EB1E0E/EB1E1E/EB1E1R/EB1E8E/EB1E9E/EB1E9J/EB1E9R/EB1J1E/EB1J8E/EB1M0E/EB1M1E/EB1M1R/EB1S0E/EB1S1E/EB1S1R/EB1S8E/EB2E1E/EB2E1R/EB2E9E/EB2E9R/EB2L9E/EB2M0E/EB2M1E/EB2M1R/EB2S1E/EB2S1R/EB2Z0E/EB2Z1E (EU) VPCEB100C*/12EG/EB12EN/EB13FA/EB13FG/EB14EN/EB15FA/EB15FG/EB15FH/EB15FK/EB15FW/EB18EC/EB1AGG/EB200C*/EB21EG/EB21EN/EB21FG/EB22EG/EB22EN/EB23FG/EB24EN/EB25EC/EB25FG/EB25FH/EB25FK/EB25FW/EB27EC (AO)	
VPCEB17FJ/EB18FJ/PEB18FJ/EB1AFJ*/EB1AGJ*/EB1AHJ*/EB1AVJ*/EB27FJ/EB28FJ/EB29FJ/EB2AFJ*/EB2AGJ*/EB2AHJ*/EB2AVJ* (J) VPCEB11FD/EB11FX/EB11GD/EB11GX/EB12FD/EB12FX/EB13EB/EB13EL/EB13FX/EB14FD/EB14FX/EB15EL/EB15FB/EB15FX/EB16FD/EB16FX/EB17FB/EB17FL/EB18FD/EB19*/EB190L*/EB190S*/EB19FL/EB1SFX/EB21FD/EB21FX/EB22FX/EB23FM/EB23FX/EB24FD/EB24FX/EB25FL/EB25FX/EB26FX/EB26GM/EB27FD/EB27FX/EB29*/EB290L*/EB290S*/EB2AFD (AM) VPCEB1C5E*/EB1E0E/EB1E1E/EB1E1R/EB1E8E/EB1E9E/EB1E9J/EB1E9R/EB1J1E/EB1J8E/EB1M0E/EB1M1E/EB1M1R/EB1S0E/EB1S1E/EB1S1R/EB1S8E/EB2E1E/EB2E1R/EB2E9E/EB2E9R/EB2L9E/EB2M0E/EB2M1E/EB2M1R/EB2S1E/EB2S1R/EB2Z0E/EB2Z1E (EU) VPCEB100C*/12EG/EB12EN/EB13FA/EB13FG/EB14EN/EB15FA/EB15FG/EB15FH/EB15FK/EB15FW/EB18EC/EB1AGG/EB200C*/EB21EG/EB21EN/EB21FG/EB22EG/EB22EN/EB23FG/EB24EN/EB25EC/EB25FG/EB25FH/EB25FK/EB25FW/EB27EC (AO)	
15.5/WXGA/HDAR/EEBR (CMO) (A-1753-765-A)	
15.5/WXGA/HDAR/EEBR (Samsung) (A-1753-764-A) (A-1784-199-A)	

# CHAPTER4. OTHERS

## 4-1. Replacing the CPU

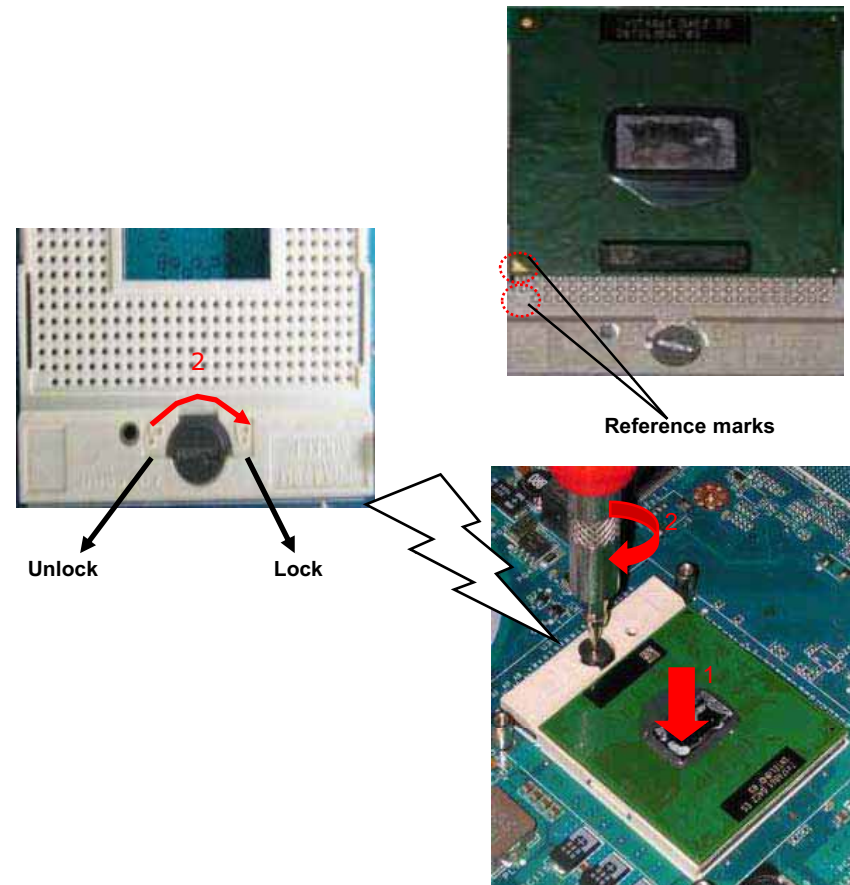
### 1. Removing the CPU

1. Insert a flat-blade screwdriver into the notch as shown illustration and rotate it so that the protrusion comes to the lock release position.
2. Pull the CPU gently upward to lift it out of the CPU socket



### 2. Installing the CPU

1. Align the triangle reference mark of the mark the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
2. Insert the flat head (-) screwdriver into the specified position and rotate the screwdriver to the LOCK position.



## 4-2 Holding Method of Motherboard

1. When operating with both hands, gently hold the middle of Main board edge as show.
2. When operating with one-hand, gently hold the middle of Main board edge and keep vertical.



(Level)



(Vertical)



VPCEB Series (J/AM/EU/AO)

# Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver.1	2010.02.05	First Edition	
-02	Ver.2	2010.04.09	Page3(Model Lineup), Page3-1(a), Page3-3, Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-9, Page3-10, Page3-11	
			[ADD][CHG][COR] Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-9, Page3-10, Page3-11, Page3-12	
-03	Ver.3	2010.05.10	Page3, Page4(Model Lineup), Page3, Page3-1(a), Page3-1(b), Page3-3, Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-9, Page3-10, Page3-11, Page3-12	
			[ADD][CHG][DEL] Page3-4, Page3-5, Page3-6, Page3-8, Page3-9, Page3-10, Page3-11	
-04	Ver.4	2010.07.02	Page3 and Page4(Model Lineup), Page3, Page3-1(a), Page3-1(b), Page3-3, Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-9, Page3-10, Page3-11, Page3-12	
			[ADD][DEL] Page3-1(a), Page3-4, Page3-5, Page3-6, Page3-8, Page3-10, Page3-11	
-05	Ver.5	2010.09.02	[ADD][COR][DEL] Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-10, Page3-11, Page3-12	
-06	Ver.6	2010.10.15	[ADD][CHG]Page3-3, Page3-4, Page3-5, Page3-6, Page3-7, Page3-8, Page3-9, Page3-10, Page3-11	
<Remarks>				